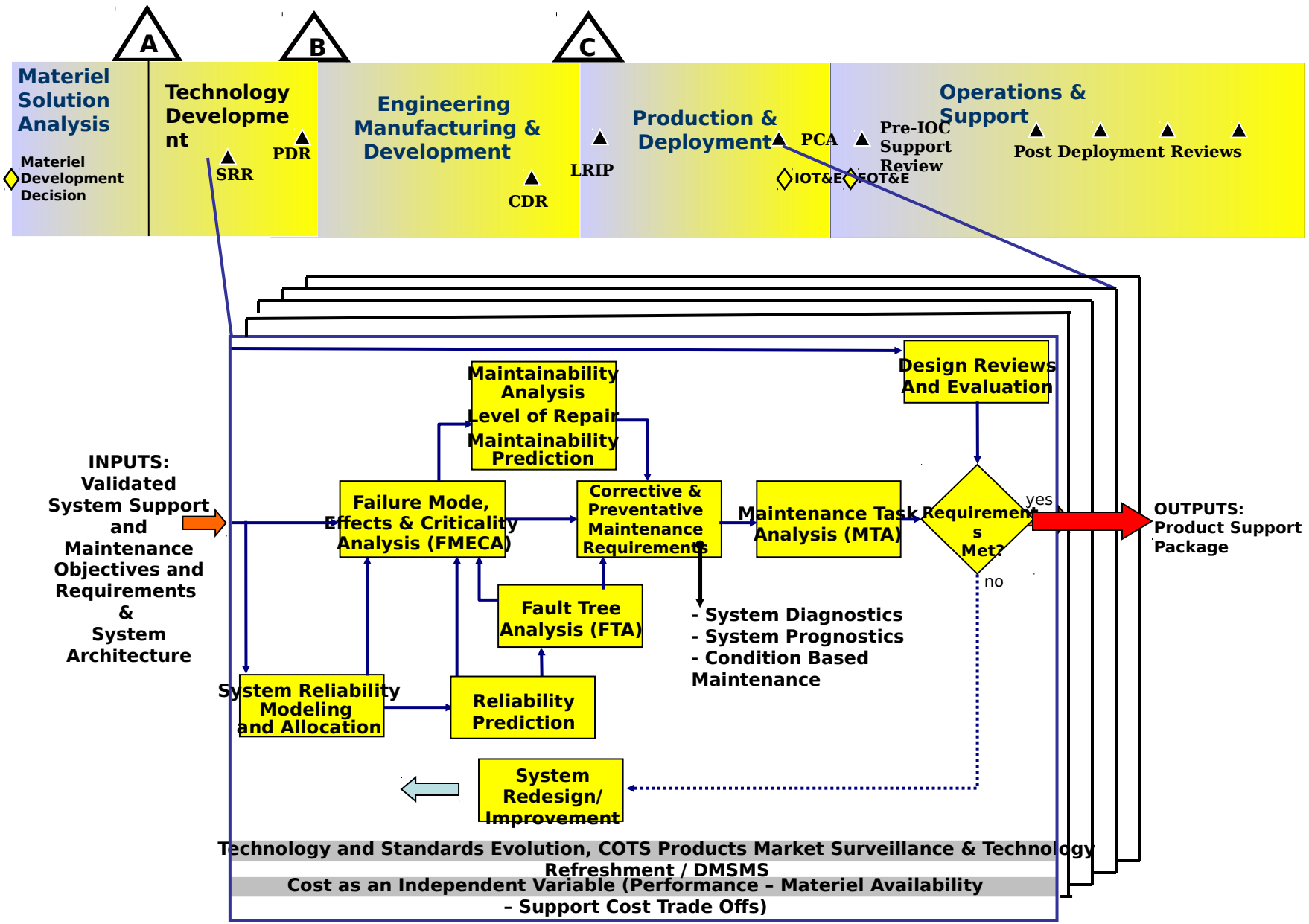
A
B
C
Materiel Solution Analysis
Technology Development
Engineering Manufacturing & Development
Production & Deployment
Operations & Support
Materiel Development Decision
SRR
PDR
CDR
LRIP
PCA
IOT&E
FOT&E
Pre-IOC Support Review
Post Deployment Reviews
INPUTS: Validated System Support and Maintenance Objectives and Requirements & System Architecture
Maintainability Analysis
Level of Repair
Maintainability Prediction
Design Reviews And Evaluation
Failure Mode, Effects & Criticality Analysis (FMECA)
Corrective & Preventative Maintenance Requirements
Maintenance Task Analysis (MTA)
Requirements Met?
yes
no
OUTPUTS: Product Support Package
Fault Tree Analysis (FTA)
- System Diagnostics
- System Prognostics
- Condition Based Maintenance
System Reliability Modeling and Allocation
Reliability Prediction
System Redesign/ Improvement
Technology and Standards Evolution, COTS Products Market Surveillance & Technology Refreshment / DMSMS
Cost as an Independent Variable (Performance – Materiel Availability – Support Cost Trade Offs)